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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,565	01/22/2004	Vladimir J. Hruby	BCI-115J	3471

7590

12/13/2005

Iandiorio & Teska  
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Waltham, MA 02451-1018

EXAMINER
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COLLINS, TIMOTHY D

ART UNIT	PAPER NUMBER
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3643

DATE MAILED: 12/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Notice of Allowability (FORM D-10)**

Application No.

Applicant(s)

Examiner

Timothy Collins

Art Unit

3643

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

This application is now in a condition for allowance, and the prosecution is closed.

However, in view of the Secrecy Order filed on 03 August 2004 under 35 USC (1952) § 181, this application will be withheld from issue during such period as the national interest requires.

1. ☒ This communication is responsive to application filed 1/22/04.

2. ☒ The allowed claim(s) is/are 1-19.

3. ☒ The drawings filed on 1/22/04 are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some\* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

\* Certified copies not received: \_\_\_\_\_.

5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

(a) ☐ The translation of the foreign language provisional application has been received.

6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

**Attachment(s)**

1 ☒ Notice of References Cited (PTO-892)

3 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

5 ☒ Information Disclosure Statements (PTO-1449), Paper No. 1.

7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

2 ☐ Notice of Informal Patent Application (PTO-152)

4 ☐ Interview Summary (PTO-413), Paper No. \_\_\_\_\_.

6 ☐ Examiner's Amendment/Comment

8 ☒ Examiner's Statement of Reasons for Allowance

9 ☐ Other

DECLASSIFIED  
This document contains information under  
SECURITY ORDER, as defined in 35 USC 181-183.  
Unauthorized Disclosures Subject to Civil  
and Criminal Sanctions.

Art Unit: 3643

### REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The prior art of record all failed to show either alone and/or in combination a multi-functional power supply for a Hall thruster being connected to a keeper and plasma discharge circuit and connected to a heater through a switching device. The supply being responsive to conditions for interrupting power to the heater and simultaneously enabling the supply to deliver power to the keeper and discharge circuit for production of thrust.

The following disclose Hall thrusters and power supplies.

USPN 6824492

USPN 6518693

Claims 1-19 are allowed.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

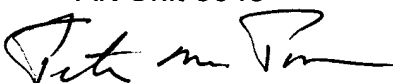
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy D. Collins whose telephone number is 571-272-6886. The examiner can normally be reached on M-F 7-3, every other Fri. Off.

Art Unit: 3643

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Poon can be reached on 571-272-6891. The fax phone number for the organization where this application or proceeding is assigned is 571-273-0314.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Timothy D. Collins  
Patent Examiner  
Art Unit 3643

  
Peter M. Poon  
Supervisory Patent Examiner  
Art Unit 3643

12/2/05